

Datasheet: VMA00459

Description:	MOUSE ANTI RPS6KA3
Specificity:	RPS6KA3
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody isolated from ascites by saturated ammonium sulfate precipitation followed by dialysis against PBS
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Purified His-tagged fragment of human RPS6KA3
External Database Links	UniProt: P51812 Related reagents Entrez Gene: 6197 RPS6KA3 Related reagents
Synonyms	ISPK1, MAPKAPK1B, RSK2

Specificity	Mouse anti Human RPS6KA3 antibody recognizes the ribosomal protein S6 kinase alpha-3, also known as MAP kinase-activated protein kinase 1b, insulin-stimulated protein kinase 1, p90-RSK 3 or ribosomal S6 kinase 2. RPS6KA3 encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Mutations in RPS6KA3 gene have been associated with Coffin-Lowry syndrome (CLS) (provided by RefSeq, Jul 2008), additionally mutations in the RPS6KA3 gene have been associated with a non-syndromic mental retardation X-linked-19 (MRX19). Mouse anti Human RPS6KA3 antibody detects a band of 83 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti RPS6KA3 detects a band of approximately 83 kDa in A431 cell lysate
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...)[HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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